

Attorney Docket No. 5577-306
Application Serial No. 09/764,844
Filed: January 17, 2001
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In the Specification:

Please replace the paragraph at page 4, lines 3-16 with the following paragraph:

Let us review the state of the prior art in the field of pervasive computing, as represented by a mobile professional equipped with a collection of the latest generation of specialized personal devices. She may have a cellular telephone, a two-way pager, a "smart" credit card (also known as a "smart card"), a "smart" employee badge used to access secure areas, a PDA, a digital still camera, a digital video camera, a dictation recorder with voice recognition capability, an MP3 music player, a remote control key-chain for access to an automobile, a second remote control key-chain for access to a garage, a global positioning system (GPS) navigation aid and map pad, a weather-alert radio, and a personal health alert fob to summon medical aid – all of which may be capable of interacting wirelessly with one another, perhaps via short-range radio technology such as Bluetooth. ("Bluetooth" is a standardized technology that enables devices containing a low-powered radio module to be automatically detected upon coming into radio proximity with one or more other similarly-equipped devices. Devices incorporating this technique are referred to as "Bluetooth-enabled" devices. A standard defining the Bluetooth techniques may be found on the Web at location "www.bluetooth.com"-~~www.bluetooth.com~~.)

Please replace the paragraph at page 28, line 12 to page 29, line 7 with the following amended paragraph:

The security core now preferably computes a hash of this data block (Block 330). The security core then signs this hashed data block (Block 340) using the security core's private key. (The security core's private key is preferably securely stored in protected key storage, as shown at element 156 of Fig. 1 and as previously discussed.) Another data structure is then preferably created by the security core, where this data structure contains the original data block from Block 320 (shown as element 315) as well as the signed hash thereof which was computed in Blocks 330 and 340. This new data structure is then encoded (Block 350) as another data stream, referred to in this example as "S4", and this additional data stream is added to the collection as a notarization. In the preferred embodiments, the data streams S1 through S3 are SL-Packetized Streams within an MPEG-4 FlexMux stream, the timestamps T1 and T2 are encoded at the

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appropriate positions within the data streams S1 through S3 using MPEG-4 synchronization timestamp methodology, and the signed hash stream S4 is an "n+1" MPEG SL-Packetized Stream that is also timestamped so that it can be correlated with streams S1 through S3. The notarized collection of data streams S1 through S4 may then be sent to a receiver, preferably as a FlexMux Stream over a TransMux Channel. (Alternatively, the notarized collection may simply be stored for future use.) An overview of the MPEG-4 standard, provided by the international standards working group responsible for its definition, can be found on the Internet at location "www.cselt.it/mpeg/standards/mpeg-4/mpeg-4.htm" ~~www.cselt.it/mpeg/standards/mpeg-4/mpeg-4.htm~~.